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ISO/IEC 17025:2017 Accredited Laboratory
NVLAP Code: 200826-0
A2LA Certificate No.: 7169.01

January 15, 2026

Legacy Safety & Security
4917 Main Ct.
Davenport, IA 52826
ATTN: Robert Hausman

Dear Mr. Hausman:

In accordance with your instructions, Oregon Ballistic Laboratories conducted Ballistic Resistance (V_0) testing on one sample.

The sample was tested in accordance with NIJ-STD-0101.07 Level RF2 Addendum 1, 2 & 3 (abbreviated) (modified) in an indoor range with the muzzle of the test barrel mounted 50 feet from the target and positioned to produce 0-degree obliquity impacts. Four Oehler model 57 infrared velocity light screens, in conjunction with two HP 5315A time-based frequency counters, were placed such that projectile velocity was measured 8.25 feet from the target. Penetrations were determined by examination of a 5.5-inch clay block mounted behind the test sample. Results for all testing performed for this purpose are summarized in the following table.

Test Sample			Ballistic Threat				Results			
OBL No.:	S/N:	Weight (lbs.)	Projectile	Shots	Velocity (fps)		Penetrations	BFD (mm)		Pass/Fail
					Min:	Max:		Min:	Max:	
42239	1	4.57	M855	2	3102	3128	0	27.44	29.28	PASS


*Data shown in the table represents fair impacts only.

This report pertains only to the samples tested and may not be modified or edited in any way. This report may not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any federal government agency. Samples will be maintained at Oregon Ballistic Laboratories for 30 days and discarded unless other instructions are received. If you have any further questions or concerns, don't hesitate to contact us.

Reviewed by,

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Contributors to measurement of uncertainty:
Velocity- tape measure used for screen spacing, Measurement of uncertainty of frequency counters BFD- Measurement of uncertainty of depth gauges.



BALLISTIC RESISTANCE TEST - V₀

Customer: Legacy Safety & Security
 OBL ID#: 42239
 Date Rcv'd: 1/14/2026
 Test Date: 1/15/2026
 Purchase Order:

TEST SAMPLE:			
Model No.:	LSS - III+	Size (in.):	10 x 12
Sample No.:	1	Weight (lb.):	4.57
Lot No.:	N/A	Thickness:	
Plies:	N/A	Avg. Thk. (in):	
Description:	Level RF2 Hard Armor Plate		

RANGE SET-UP:		POST DROP CALIBRATION NOT REQUIRED					
Range to Target:	50 ft.	Range #:	2				
Screen Dist. Vel. 1 (ft.):	5	Temperature:	69.8 °F				
Screen Dist. Vel. 2 (ft.):	4	Bar. Pressure:	30.21 in. Hg				
Screen 4 to target (ft):	N/A	Rel. Humidity:	37.0 %				
Primary Vel. Location:	12.5 ft. from target	Sample Temp.	Amb. °F				
Striking Velocity:	No	Recorder:	Nathan Myers				
Obliquity:	0 Degrees	Gunner:	Dylan Bachelor				
Barrel:	5.56mm NATO/1:7/30"	Test Start Time:	10:45				
Target to Witness:	N/A	Test End Time:	10:53				
Witness Panel:	N/A	Pre Test:					
Backing Material:	5.5" clay block w/ 3/4" plywood backing	Clay Drops (mm):	20.88	19.02	20.45	18.97	20.86
		Drop Avg (mm):	20.04				
		Clay Temp °F:	93.2				
		Validation Time:	10:32				
		Clay Box #:	9				
		Post Test:					
		Clay Drops (mm):					
		Drop Avg (mm):					
		Clay Temp °F:					
		Validation Time:					

AMMUNITION:	
Projectile:	5.56mm SS109/M855 Ball
Powder:	IMR 4227

STANDARDS / PROCEDURES:	
NIJ-STD-0101.07 Level RF2 Addendum 1,2 & 3 (abbrev) (mod)	Required Velocity: 3115 fps ± 30 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μs (10 ⁻⁶)	TIME 2 μs (10 ⁻⁶)	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	63.5	20.4	1609	1292	3108	3096	3102	P	0°	29.28	
2	62.8	20.4	1596	1281	3133	3123	3128	P	0°	27.44	

REMARKS:	TEST RESULTS:
P=Partial Penetration C=Complete Penetration UH=Unfair Hit Projectile Yaw Check: <5° for all velocity shots Tested Using NIJ-STD-0101.06 Range Set-Up.	Test sample satisfied the ballistic requirements given. FOOTNOTES: Sample was not subjected to Armor Drop Test. Sample was not subjected to Armor Submersion.

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